Mongoose Models Relationship Diagram

Model	Fields	Relationships
User	 name: string email: string (unique) passwordHash: string isVerified: boolean role: admin student supervisor refreshTokenHash: string null 	Has many Exams, Certificates
Exam	- userld: Objectld (ref: User) - status: enum - currentStep: enum null - step1Score, step2Score, step3Score - finalLevel: string null - dueAt: Date null	Belongs to User Has many Attempts
Attempt	- examld: ObjectId (ref: Exam) - step: STEP_1 STEP_2 STEP_3 - score, total - startedAt, submittedAt	Belongs to Exam Has many Answers May be linked to Certificate
Answer	attemptId: ObjectId (ref: Attempt)questionId: ObjectId (ref: Question)choiceId: stringcorrect: boolean	Belongs to Attempt Belongs to Question
Question	- competency: string - level: A1–C2 - text: string - choices[] - correctChoiceld: string	Has many Answers
Certificate	userId: ObjectId (ref: User)level: stringattemptId: ObjectId (ref: Attempt)createdAt	Belongs to User Belongs to Attempt
ОТР	- email: string - codeHash: string - expiresAt: Date - consumed: boolean - createdAt	Standalone